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[PDF] Enhancing intrusion detection in wireless networks using radio frequency fingerprinting

J Hall, M Barbeau... - Proceedings of the 3rd IASTED ..., 2004 - Citeseer

....the address itself (used as an identifier) is acquired over the air by an intruder and subse ... a profile of a fransceiver (created using RFF) is used for anomaly-based intrusion detection. ... a MAC address with the corresponding transceiver profile, the ca-pabilities of a wireless IDS is ...

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Wired and wireless intrusion detection system: Classifications, good characteristics and state-of-the-art

IPOFI from nkw.ac.th

IPDF1 from cauledu

TS Sobh - Computer Standards & Interfaces, 2006 - Elsevier

... guidance for damage control, such as identifying the modified files needing to be restored or hooks installed by the attacker to facilitate ... Section 6 introduces the wireless intrusion protection system. ... 3. IDS can be classified into external and internal according to **intruder** type. ...

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Intrusion detection techniques for mobile wireless networks

[PDF] from peuledu

Y Zhang, W Lee... - Wireless Networks, 2003 - Springer

... This type of attacks changes default/normal traffic behavior: (a) packet dropping; (b) packet generation with faked source address; (c) cor-ruption on packet contents; and (d) denial-of-service. ...

INTRUSION DETECTION TECHNIQUES FOR MOBILE WIRELESS NETWORKS ...

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Wireless intrusion detection and response

(PDF) from psuledu

YX Lim. TS Yer. J Levine... - ... Workshop, 2003. IEEE 2003 - leeexplore leee.org

... central server, it would be possible to triangulate the position of an **attacker** or rogue ... is merely a valid user with an unregistered MAC address or an intruder outside the ... The central server could also correlated **wireless** authentication with authentication on other security systems. ...

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INSENS: Intrusion-tolerant routing for wireless sensor networks

(PDF) from psuledu

J Deng, R Han... - Computer Communications, 2006 - Elsevier

... focuses on the design of a secure and INtrusion-tolerant routing protocol for wireless SEnsor NetworkS ... are set up from each sensor node, so that even if an **intruder** compromises a ... The desire for **intrusion** tolerance must be balanced against the energy cost of multipath routing. ...

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Agent based intrusion detection and response system for wireless LANs

MK Chirumamilla... - ... , 2003. ICC'03. IEEE ..., 2003 - leeexplore.ieee.org

... agents to update their firewall policies to block the user, based on his/her MAC **address**, from using the network resources Figures 6(a ... CONCLUSION Our agent-based **intrusion** detection and response system has been developed to provide a secured **wireless** LAN solution. ...

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Roque access point detection using temporal traffic characteristics

R Beyah, S Kangude, G Yu... - Global ..., 2004 - leeexplore.leee.org

... We propose the use of temporal traffic **characteristics** to detect rogue APs at a ... to various factors, including cost constraints, many universities do not have specific **wireless intrusion** detection systems ... This is loosely enforced by assigning a temporary IP **address** to the requesting ...

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[PDF] from deutedu

THTMLT from usenix.org

[HTML] Passive data link layer 802.11 wireless device driver fingerprinting

J Franklin, D McCoy, P Tabriz, V Neagoe... - Proc. 15th USENIX ..., 2006 - usenix.org

... This allows collaborative signature sharing, similar to how Snort [10] **intrusion** detection signatures are currently ... Let us now assume that an **attacker** has obtained a trace and created a signature ... PCI **wireless** card, running the Linux 2.6 kernel and the MadWifi **wireless** NIC driver ...

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An intrusion detection system for wireless sensor networks

1 Onat... - Wireless And Mobile Computing, Networking ..., 2005 - ieeexplore leee.org

... To break into the network, the **attacker** also has to have either the same transceiver ... node(s). Our arrival rate anom- aly detection algorithm forces the **intruder** to learn ... V. EXPERIMENTAL RESULTS A. Propagation Model We assume that the **wireless** channel does not change ...

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[PDF] from psuledu

[PDF] Radio frequency fingerprinting for intrusion detection in wireless networks

J Hall, M Barbeau... - IEEE Transactions on Defendable and ..., 2005 - Citeseer

... captured by the **attacker**. He/she can then impersonate them and obtain unauthorized access

to ... gerprinting the **characteristics** of **wireless** cards from different manufacturers, eg SMC, which ...

intrusion is detected if the manufacturer of the card, used by an **intruder**, is different from ...

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